

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

Claims 1-20 (canceled)

Please enter new claims 21 - 37 as follows.

21. (New) A concrete chainsaw chain having a plurality of teeth, said chain comprising

at least one cutting segment comprising hard-material granules melted in a bond and forming an active surface arranged substantially parallel to a direction of chain travel (L); and

at least one cutting segment carrier comprising a support for the at least one cutting segment, which support is positioned obliquely to the direction of chain travel (L),

wherein a molten connection is formed between the at least one cutting segment and the at least one cutting segment carrier.

22. (New) The concrete chainsaw chain of claim 1, wherein the at least one cutting segment widens out conically in a cross section transversely to a direction of chain travel (L), starting from the at least one cutting segment carrier.

23. (New) The concrete chainsaw chain of claim 1, wherein the at least one cutting segment carrier has a support for the at least one cutting segment, which support is obliquely positioned in a direction of chain travel (L), and wherein the cutting segment tapers in the direction of chain travel (L).

24. (New) The concrete chainsaw chain of claim 1, wherein the at least one cutting segment is adapted for a free cut and projects from a surface surrounded by the chain.

25. (New) The concrete chainsaw chain of claim 1, wherein the support stands vertically on a sword surface, falls off counter to the direction of chain travel (L) toward the sword, forms a forwardly running cutting edge and is arranged following a sawtooth at an interval by a groove.

26. (New) The concrete chainsaw chain of claim 1, wherein the at least one cutting segment has a thickness between approximately 7-8 mm.

27. (New) The concrete chainsaw chain of claim 1, wherein the bond contains bronze.

28. (New) The concrete chainsaw chain of claim 1, wherein the bond contains titanium.

29. (New) The concrete chainsaw chain of claim 1, which further comprises an intermediate layer arranged between the at least one cutting segment and the at least one cutting segment carrier.

30. (New) The concrete chainsaw chain of claim 1, wherein the hard-material granules comprise diamond granules.

31. (New) The concrete chainsaw chain of claim 12, wherein the diamond granules have a diameter of on the average approximately 200 μm .

32. (New) A process for manufacturing a concrete chainsaw chain having a plurality of teeth, which chain comprises at least one cutting segment and at least one cutting segment carrier having a support for the at least one cutting segment, which support is positioned obliquely to the direction of chain travel (L), the process comprising the steps of

applying hard-material granules and binding material on the support of the cutting segment carrier,

melting the binding material to form the cutting segment, so that a molten connection forms thereby between the cutting segment carrier and the cutting segment, and

forming an active surface arranged substantially parallel to a direction of chain travel (L).

33. (New) The process of claim 32, wherein the binding material is initially a powder, then is compounded with the hard-material granules to form a mixture, and the mixture is applied on the cutting segment carrier.

34. (New) The process of claim 32, which further comprises the step of applying an intermediate layer onto the cutting segment carrier, and wherein the intermediate layer and the cutting segment are melted together.

35. (New) The process of claim 32, wherein the melting is effected by a laser beam.

36. (New) The process of claim 32, wherein the melting to form the cutting segment is supported by at least one ingot mold.

37. (New) The process of claim 32, wherein the cutting segment carrier in that the cutting segment carrier comprises a tooth with a tooth top which stands vertically on a sword surface and falls off counter to the direction of chain travel (L) toward the sword and forms a forwardly running cutting edge and is arranged following a sawtooth at an interval by a groove.